

VegSpec



A Web-Based
Tool for
Selecting
Conservation
Plants

<http://plants.usda.gov>

VegSpec

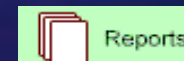
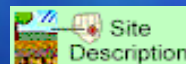
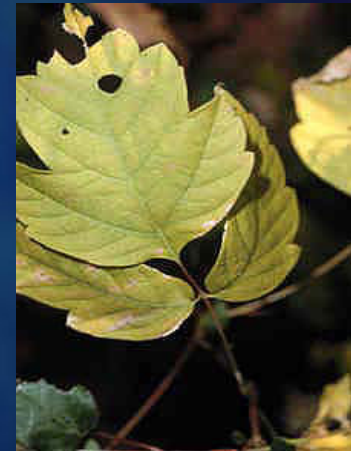
Designed to provide the user with a list of plants, primarily alternative native species, that can be considered as a supplement to the traditional FOTG list



VegSpec



- VegSpec assists you in creating vegetative practice designs for a variety of sites and natural resource conservation problems via multiple paths.
- Information for 2,500+ species/cultivars.

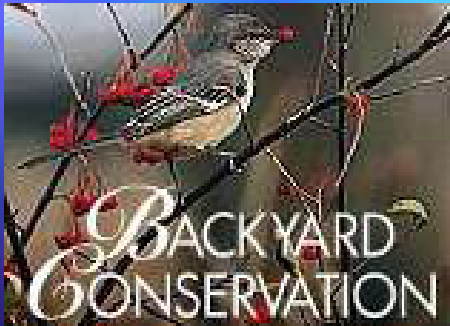


Supporting NRCS Activities



**Farm
Bill**

Plant Materials Program



AFO
Animal
Feeding
Operations

Conservation Planning

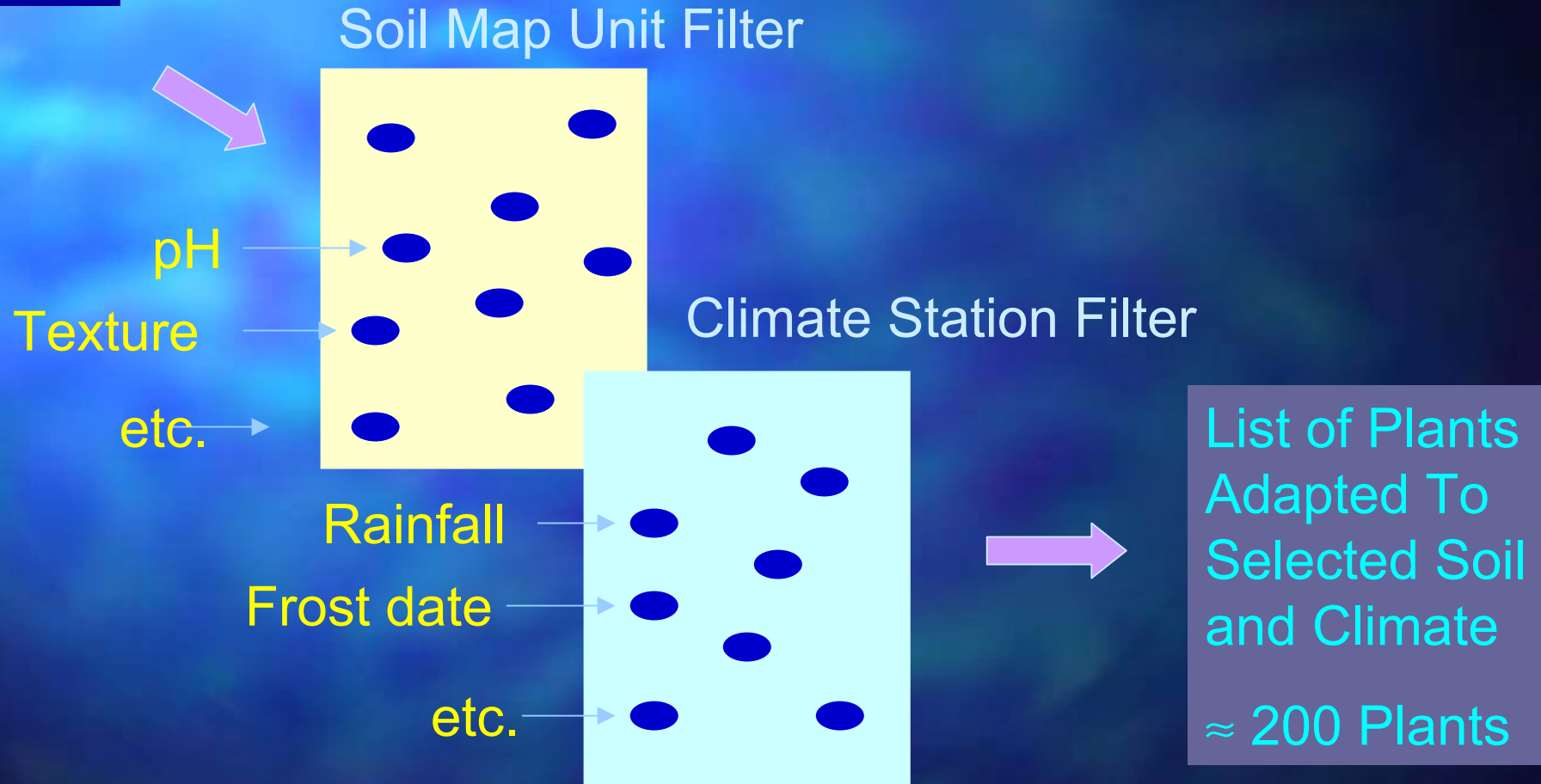


Ecological Restoration



Attributes Of 2500 Plant Species and Cultivars

Soil and Climate Attribute Filters



List of Plants
Adapted To
Selected
Soil and
Climate
≈ 200 Plants

Tree/Shrub Planting Filter

Tree



Shrub

Wildlife Wetland Habitat Filter

Waterfowl Food Filter

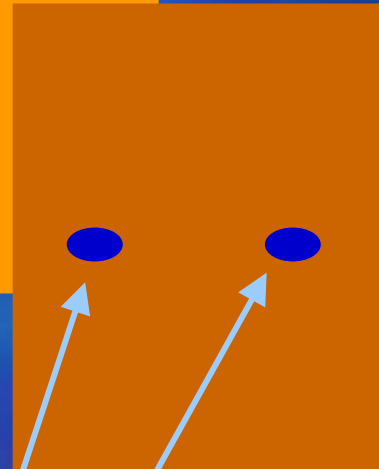
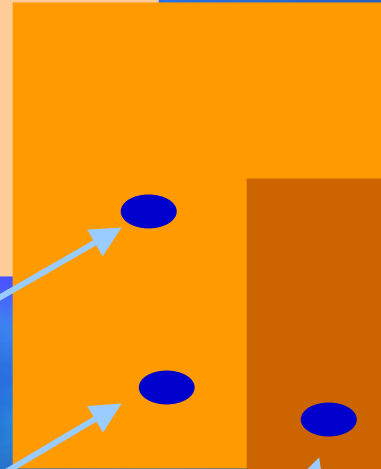
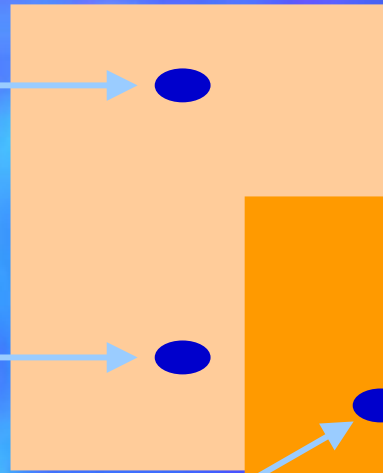
Obligate Wetland Plant

Facultative Wetland Plant

Fruit/Seed Abundant

Fruit/Seed Persistent

List of Plants
≈ 35 Plants



List of Potential Plants:

Selected by the application of filters.

≈ 35 Plants

User chooses plants from
the List of Potential Plants.

The user is the final filter.



List of User Selected Plants:

Plants that the user plans to use for this conservation
planting.

≈ 10 Plants

NRCS: A Global Plant Information Leader



■ VegSpec

— Sponsor:

- Doug Williams, ECS
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— Data Steward:

- James Henson, NPDC
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United States Department of Agriculture



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- Dynamic information system partnership meeting NRCS field office, customer, & cooperator plant information needs

PLANTS Plant Characteristics

- These data support VegSpec
- Access from the PLANTS Home Page
- Compiled for over 2,300 conservation plant species
- 100 characteristics

The screenshot shows the PLANTS Topics page in Microsoft Internet Explorer. The page is titled "PLANTS Topics" and includes a search bar with the text "PLANTS search" and a dropdown menu for "Common Name". The search results for "American basswood" are displayed, showing the common name, symbol (TIAMH), and scientific name (Tilia americana L. var. heterophylla (Vent.) Loud.).

Below the search results, there are links to "Conservation Plant Characteristics data definitions", "View Conservation Plant Characteristics species list by common name", and "View Conservation Plant Characteristics species list by scientific name".

The main content area displays a table of characteristics for the American basswood. The table is organized into sections: Summary, Morphology/Physiology, and Growth Requirements.

Summary			
Growth Habit	Tree	Federal T/E Status	
Duration	Perennial	National Wetland Indicator	
U.S. Nativity	Native		
Morphology/Physiology			
Active Growth Period	Spring and Summer	Fruit/Seed Color	Brown
After Harvest Regrowth Rate	No	Fruit/Seed Conspicuous	No
Allelopath	No	Growth Form	Single Stem
Bloat	None	Growth Rate	Moderate
C:N Ratio	High	Height at 20 Years, Maximum (feet)	50
Coppice Potential	No	Height, Mature (feet)	90
Fall Conspicuous	No	Leaf Retention	No
Fire Resistant	No	Lifespan	Long
Flower Color	Yellow	Low Growing Grass	No
Flower Conspicuous	No	Nitrogen Fixation	None
Foliage Color	Green	Resprout Ability	Yes
Foliage Porosity Summer	Moderate	Shape and Orientation	Erect
Foliage Porosity Winter	Porous	Toxicity	None
Foliage Texture	Medium		
Growth Requirements			
Adapted to Coarse Textured Soils	No	Moisture Use	High
Adapted to Fine Textured Soils	No	pH, Minimum	5.69999981
Adapted to Medium Textured Soils	Yes	pH, Maximum	7.19999981
Anaerobic Tolerance	None	Planting Density per Acre, Minimum	300
CaCO3 Tolerance	Low	Planting Density per Acre, Maximum	800
Cold Stratification Required	Yes	Precipitation, Minimum	35
Drought Tolerance	Low	Precipitation, Maximum	65
Fertility Requirement	High	Root Depth, Minimum (inches)	40
Fire Tolerance	Low	Salinity Tolerance	None
Frost Free Days, Minimum	165	Shade Tolerance	Tolerant

PLANTS Advanced Query

PLANTS - Topics - Microsoft Internet Explorer

File Edit View Favorites Tools Help

USDA Natural Resources Conservation Service

PLANTS Database

Topics Gallery Home Links Tools

GoTo -->

Quick JUMP

Advanced Characteristics Checklists Classification Crops Cultural Download Excluded Facts Invasive T&E Wetlands

PLANTS search Name Common Name Scientific Name

GO Contact Us Site Map

USDA Natural Resources Conservation Service

Query the PLANTS database and display the results.

Specify your query criteria below. Later you can review your choices and choose to sort your report, and after displaying the data you can download it. Or click the second link below to download without displaying any information.

About the Advanced Query and Download

Query the PLANTS database and download the results without display

Contents

- Part A: PLANTS Core Data
- Part B: Characteristics Data

Part A: PLANTS Core Data

1. Distribution

US Plants or Worldwide include: Any Plants ☐ Display in Report

State Distribution include: Any State ☐ Display in Report

County Distribution (Select a maximum of 15) include: Any County ☐ Display in Report

Arkansas:Arkansas
Arkansas:Ashley
Arkansas:Baxter
Arkansas:Benton
Arkansas:Boone

2. Taxonomy

Category include: Any Category ☐ Display in Report

Symbol include: ☐ Display in Report

Scientific Name include: ☐ Displayed by default

Wild cards are permitted; * for multiple characters and _ for single characters.

Wild cards are permitted; * for multiple characters and _ for single characters.

- Complete access to the VegSpec characteristics data
- Search 2,300 conservation plants on 100 plant attributes
- Also, search 43,000 plant on basic attributes
- Filter results by any attribute(s)
- Report to screen or download data set